Contents

No. 1 1–182 issued in March 1989
No. 2/3 183–530 issued in April 1989

Achberger EC → Ross TK 402
Alberti M → Armstrong GA 254
Almond N, Yajnik V, Svec P, Godson GN: An *Escherichia coli cis*-acting antiterminator sequence: The *dnaG nut* site 195
Alvarez E → Barredo JL 91
Amasino RM → Strabala TJ 388
Arakawa H → Kanda T 526
Armstrong GA, Alberti M, Leach F, Hearst JE: Nucleotide sequence, organization, and nature of the protein products of the carotenoid biosynthesis gene cluster of *Rhodobacter capsulatus* 254
Arnold W → Moreno-Vivian C 353
Austin S → Henderson N 484

Bailone A → Goguel V 70
Banerjee A → Chuba PJ 287
Barredo JL, Cantoral JM, Alvarez E, Díez B, Martín JF: Cloning, sequence analysis and transcriptional study of the isopenicillin N synthase of *Penicillium chrysogenum* AS-P-78 91
Bartels D → Colot V 81
Bauerle C → Smeekens S 178
Bazzicalupo M → Fani R 224
Becker D → Marocco A 183
Bednarek SY → Strabala TJ 388
Begg KJ → Masters M 475
Bertoni G → Strabala TJ 388
Bianchi A → Fani R 224
Bino RJ → Plegt L 321
Bitoun R → Lers A 138
Bogorad L → Steinmuller K 60
Bonnard G, Tinland B, Paulus F, Szegedi E, Otten L: Nucleotide sequence, evolutionary origin and biological role of a rearranged cytokinin gene isolated from a wide host range biotype III *Agrobacterium* strain 428
Bosch D, Scholten M, Verhagen C, Tommassen J: The role of the carboxy-terminal membrane-spanning fragment in the biogenesis of *Escherichia coli* K12 outer membrane protein PhoE 144
Bottin H → Chauvat F 51
Boussac A → Chauvat F 51
Braun V → Schultz G 230
Braymer HD → Ross TK 402
Breunig KD: Glucose repression of *LAC* gene expression in yeast is mediated by the transcriptional activator LAC9 422
Broughton WJ → Dowling DN 170
Buckel P → Kopetzki E 149
Bull JH → Smith DJ 492
Byström AS, Fink GR: A functional analysis of the repeated methionine initiator tRNA genes (IMT) in yeast 276

Caboche M → Vaucheret H 10
Camara B → Kuntz M 156
Campbell EI → Whitehead MP 408
Cantoral JM → Barredo JL 91
Capone I, Cardarelli M, Trovato M, Costantino P: Upstream non-coding region which confers polar expression to Ri plasmid root inducing gene *rol*B 239
Cardarelli M → Capone I 239
Casadesus J, Roth JR: Transcriptional occlusion of transposon targets 204
Casadesus J, Roth JR: Absence of insertions among spontaneous mutants of *Salmonella typhimurium* 210
Castric PA, Sidberry HF, Sadoff JC: Cloning and sequencing of the *Pseudomonas aeruginosa* 1244 pilin structural gene 75
Chauvat F, Rouet P, Bottin H, Boussac A: Mutagenesis by random cloning of an *Escherichia coli* kanamycin resistance gene into the genome of the cyanobacterium *Synechocystis* PCC 6803: Selection of mutants defective in photosynthesis 51
Chuba PJ, Leon MA, Banerjee A, Palchaudhuri S: Cloning and DNA sequence of plasmid determinant *iss*, coding for increased serum survival and surface exclusion, which has homology with lambda DNA 287
Colot V, Bartels D, Thompson R, Flavell R: Molecular characterization of an active wheat LMW glutenin gene and its relation to other wheat and barley prolamin genes 81
Contreras → Whitehead MP 408
Costantino P → Capone I 239
Cousineau L → Drolet M 347
Culham DE, Nazar RN: Multiple termination sites in an unlinked 5S rRNA operon in the archaebacterium, *Thermococcus celer* 412

Damiani G → Fani R 224
Defais M → Larminat F 106
De Lozanne A → Welker DL 498
Devoret R → Goguel V 70
Díez B → Barredo JL 91
Dix PJ → McCabe PF 132
Dixon RA → Henderson N 484
Dowling DN, Stanley J, Broughton WJ: Competitive nodulation blocking of Afghanistan pea is determined by *nodDABC* and *nodFE* alleles in *Rhizobium leguminosarum* 170
Drolet M, Péloquin L, Echelard Y, Cousineau L, Sasarman A: Isolation and nucleotide sequence of the *hemA* gene of *Escherichia coli* K12 347
Dudock BS → Manhart JR 417

Echelard Y → Drolet M 347
Edwards J → Smith DJ 492
Egan JB → Verma M 446
Ehara Y → Takahashi H 188
Elliott T, Roth JR: Heme-deficient mutants of *Salmonella typhimurium*: Two genes required for ALA synthesis 303
Enomoto M → Hanafusa T 44
Evrard J-L → Kuntz M 156

Fani R, Bazzicalupo M, Damiani G, Bianchi A, Schipani C, Sgaramella V, Polsinelli M: Cloning of histidine genes of *Azospirillum brasilense:* Organization of the ABFH gene cluster and nucleotide sequence of the *hisB* gene 224
Fauron C, Havlik M, Lonsdale D, Nichols L: Mitochondrial genome organization of the maize cytoplasmic male sterile type T 395
Fiedler S → Wirth R 175
Fink GR → Byström AS 276
Flavell R → Colot V 81
Friesenegger A → Wirth R 175
Fujita Y → Nakamura K 1

Geerse RH, Izzo F, Postma PW: The PEP: fructose phosphotransferase system in *Salmonella typhimurium*: FPr combines Enzyme III^{Fru} and pseudo-HPr activities 517
Geerts D → Smeekens S 178
Ghelardini P, Liebart JC, Paolozzi L, Pedrini AM: Suppression of the thermosensitive DNA ligase mutations in *Escherichia coli* K12 through modulation of gene expression induced by phage Mu 31
Godson GN → Almond N 195
Goguel V, Bailone A, Devoret R, Jacq C: The bI4 RNA mitochondrial maturase of *Saccharomyces cerevisiae* can stimulate intra-chromosomal recombination in *Escherichia coli* 70
Goto A → Kanda T 526
Gozalbo D, Hohmann S: The naturally occurring silent invertase structural gene *suc2* ° contains an amber stop codon that is occasionally read through 511
Gragerov AI → Kashlev MV 469
Grigliatti TA → Sinclair DAR 328
Gross CA → Jin DJ 269
Gurr SJ → Whitehead MP 408

Ham LM, Skurray R: Molecular analysis and nucleotide sequence of *finQ*, a transcriptional inhibitor of the F plasmid transfer genes 99
Hanafusa T, Sakai A, Tominaga A, Enomoto M: Isolation and characterization of *Escherichia coli hag* operator mutants whose *hag48* expression has become repressible by a *Salmonella H1* repressor 44
d'Harlingue A → Kuntz M 156
Hase T, Nakai M, Masamune Y: Transcription of a region downstream from *λori*

is required for replication of plasmids derived from coliphage lambda 120
Havlik M → Fauron C 395
Hayashi M → Hayashi MN 364
Hayashi MN, Yaghmai R, McConnell M, Hayashi M: mRNA stabilizing signals encoded in the genome of the bacteriophage ϕx174 364
Hearst JE → Armstrong GA 254
Heller KJ → Schultz G 230
Henderson N, Austin S, Dixon RA: Role of metal ions in negative regulation of nitrogen fixation by the *nifL* gene product from *Klebsiella pneumoniae* 484
Hirota Y → Nishimura A 340
Hohmann S → Gozalbo D 511
Hondel C van den → Whitehead MP 408
Howe CJ → Wallace TP 334
Hughes P → Landoulsi A 217

Itoh Y → Nakamura K 1
Izzo F → Geerse RH 517

Jacq C → Goguel V 70
Janion C → Sledziewska-Gójska E 126
Jin DJ, Gross CA: Three *rpoBC* mutations that suppress the termination defects of *rho* mutants also affect the functions of *nusA* mutants 269

Kanda T, Goto A, Sawa K, Arakawa H, Yasuda Y, Takemaru T: Isolation and characterization of recessive sporeless mutants in the basidiomycete *Coprinus cinereus* 526
Kashlev MV, Gragerov AI, Nikiforov VG: Heat shock response in *Escherichia coli* promotes assembly of plasmid encoded RNA polymerase β-subunit into RNA polymerase 469
Kelly K → Manhart JR 417
Kennell JC, Pring DR: Initiation and processing of *atp6*, T-*urf13* and *ORF221* transcripts from mitochondria of T cytoplasm maize 16
Kern R → Landoulsi A 217
Kinghorn JR → Whitehead MP 408
Klipp W, Reiländer H, Schlüter A, Krey R, Pühler A: The *Rhizobium meliloti fdx*N gene encoding a ferredoxin-like protein is necessary for nitrogen fixation and is co-transcribed with *nif*A and *nif*B 293
Klipp W → Moreno-Vivian C 353
Kohiyama M → Landoulsi A 217
Kopetzki E, Schumacher G, Buckel P: Control of formation of active soluble or inactive insoluble baker's yeast α-glucosidase PI in *Escherichia coli* by induction and growth conditions 149
Krey R → Klipp W 293
Kronenberger J → Vaucheret H 10
Kuntz M, Evrard J-L, d'Harlingue A, Weil J-H, Camara B: Expression of plastid and nuclear genes during chromoplast differentiation in bell pepper (*Capsicum annuum*) and sunflower (*Helianthus annuus*) 156

Landoulsi A, Hughes P, Kern R, Kohiyama M: *dam* methylation and the initiation of DNA replication on *oriC* plasmids 217
Larminat F, Defais M: Modulation of the SOS response by truncated RecA proteins 106
Laudenbach DE, Trick CG, Straus NA: Cloning and characterization of an *Anacystis nidulans* R2 superoxide dismutase gene 455
Leach F → Armstrong GA 254
Leon MA → Chuba PJ 287
Lers A, Bitoun R, Zamir A: Outreading promoters are located at both ends of the *Gamma-delta* transposon 138
Ley AC → Steinmuller K 60
Liebart JC → Ghelardini P 31
Lindahl G: Cell surface proteins of a group A streptococcus type M4: The IgA receptor and a receptor related to M proteins are coded for by closely linked genes 372
Lloyd RG → Mahdi AA 503
Lloyd YK → Sinclair DAR 328
Lonsdale D → Fauron C 395
Lotti M, Noah M, Stöffler-Meilicke M, Stöffler G: Localization of proteins L4, L5, L20 and L25 on the ribosomal surface by immuno-electron microscopy 245

Mache R → Zhou D-X 439
Mahdi AA, Lloyd RG: Identification of the *recR* locus of *Escherichia coli* K-12 and analysis of its role in recombination and DNA repair 503
Manhart JR, Kelly K, Dudock BS, Palmer JD: Unusual characteristics of *Codium fragile* chloroplast DNA revealed by physical and gene mapping 417
Marocco A, Wissenbach M, Becker D, Paz-Ares J, Saedler H, Salamini F, Rohde W: Multiple genes are transcribed in *Hordeum vulgare* and *Zea mays* that carry the DNA binding domain of the *myb* oncoproteins 183
Martin JF → Barredo JL 91
Masamune Y → Hase T 120
Masepohl B → Moreno-Vivian C 353
Massenet O → Zhou D-X 439
Masters M, Paterson T, Popplewell AG, Owen-Hughes T, Pringle JH, Begg KJ: The effect of DnaA protein levels and the rate of initiation at *oriC* on transcription originating in the *ftsQ* and *ftsA* genes: In vivo experiments 475
McCabe PF, Timmons AM, Dix PJ: A simple procedure for the isolation of streptomycin resistant plants in *Solanaceae* 132
McConnell M → Hayashi MN 364
Meng BY, Shinozaki K, Sugiura M: Genes for the ribosomal proteins S12 and S7 and elongation factors EF-G and EF-Tu of the cyanobacterium, *Anacystis nidulans:* Structural homology between 16S rRNA and S7 mRNA 25
Moffat KG → Verma M 446
Moreno-Vivian C, Schmehl M, Masepohl B, Arnold W, Klipp W: DNA sequence and genetic analysis of the *Rhodobacter capsulatus nifENX* gene region: Homology between NifX and NifB suggests involvement of NifX in processing of the iron-molybdenum cofactor 353

Nakai M → Hase T 120
Nakamura K, Fujita Y, Itoh Y, Yamane K: Modification of length, hydrophobic properties and electric charge of *Bacillus subtilis* α-amylase signal peptide and their different effects on the production of secretory proteins in B. *subtilis* and *Escherichia coli* cells 1
Nazar RN → Culham DE 412
Neuhard J → Song B-H 462
Nichols L → Fauron C 395
Nikiforov VG → Kashlev MV 469
Nishimura A, Hirota Y: A cell division regulatory mechanism controls the flagellar regulon in *Escherichia coli* 340
Noah M → Lotti M 245

Otten L → Bonnard G 428
Owen-Hughes T → Masters M 475

Palchaudhuri S → Chuba PJ 287
Palmer JD → Manhart JR 417
Paolozzi L → Ghelardini P 31
Pappin D → Wallace TP 334
Park YM, Stauffer GV: DNA sequence of the *metC* gene and its flanking regions from *Salmonella typhimurium* LT2 and homology with the corresponding sequence of *Escherichia coli* 164
Paterson T → Masters M 475
Paulus F → Bonnard G 428
Paz-Ares J → Marocco A 183
Pedrini AM → Ghelardini P 31
Péloquin L → Drolet M 347
Plegt L, Bino RJ: β-Glucuronidase activity during development of the male gametophyte from transgenic and non-transgenic plants 321
Plumbridge J, Söll D: Characterization of cis-acting mutations which increase expression of a *glnS - lacZ* fusion in *Escherichia coli* 113
Polsinelli M → Fani R 224
Popplewell AG → Masters M 475
Postma PW, → Geerse RH 517
Pring DR → Kennell JC 16
Pringle JH → Masters M 475
Pühler A → Klipp W 293

Quigley F → Zhou D-X 439

Ramsden M → Whitehead MP 408
Reiländer H → Klipp W 293
Rödel G → Schulze M 37
Rohde W → Marocco A 183
Rol → Whitehead MP 408
Ross TK, Achberger EC, Braymer HD: Identification of a second polypeptide required for McrB restriction of 5-methylcytosine-containing DNA in *Escherichia coli* K12 402
Roth JR → Casadesus J 204
Roth JR → Casadesus J 210
Roth JR → Elliott T 303
Rouet P → Chauvat F 51
Rouzé P → Vaucheret H 10

Sadoff JC → Castric PA 75
Saedler H → Marocco A 183
Sakai A → Hanafusa T 44
Salamini F → Marocco A 183

Sasarman A → Drolet M 347
Saunders JR → Sullivan KM 380
Sawa K → Kanda T 526
Sayre RT → Steinmuller K 60
Schipani C → Fani R 224
Schlüter A → Klipp W 293
Schmehl M → Moreno-Vivian C 353
Scholten M → Bosch D 144
Schultz G, Ullrich F, Heller KJ, Braun V: Export and activity of hybrid FhuA′-′Iut receptor proteins and of truncated FhuA′ proteins of the outer membrane of *Escherichia coli* 230
Schulze M, Rödel G: Accumulation of the cytochrome *c* oxidase subunits I and II in yeast requires a mitochondrial membrane-associated protein, encoded by the nuclear *SCO1* gene 37
Schumacher G → Kopetzki E 149
Sgaramella V → Fani R 224
Shimamoto K → Takahashi H 188
Shinozaki K → Meng BY 25
Sidberry HF → Castric PA 75
Sinclair DAR, Lloyd VK, Grigliatti TA: Characterization of mutations that enhance position-effect variegation in *Drosophila melanogaster* 328
Skurray R → Ham LM 99
Sledziewska-Gójska E, Janion C: Alternative pathways of methyl methanesulfonate-induced mutagenesis in *Escherichia coli* 126
Smeekens S, Geerts D, Bauerle C, Weisbeek P: Essential function in chloroplast recognition of the ferredoxin transit peptide processing region 178
Smith DJ, Bull JH, Edwards J, Turner G: Amplification of the isopenicillin N synthetase gene in a strain of *Penicillium chrysogenum* producing high levels of penicillin 492
Smith KC → Wang TV 315
Söll D → Plumbridge J 113
Song B-H, Neuhard J: Chromosomal location, cloning and nucleotide sequence of the *Bacillus subtilis cdd* gene encoding cytidine/deoxycytidine deaminase 462
Spence D → Whitehead MP 408
Spudich JA → Welker DL 498
Stanley J → Dowling DN 170
Stauffer GV → Park YM 164
Steinmetz AA → Steinmuller K 60
Steinmuller K, Ley AC, Steinmetz AA, Sayre RT, Bogorad L: Characterization of the *ndhC-psbG-ORF157/159* operon of maize plastid DNA and of the cyanobacterium *Synechocystis* sp. PCC6803 60
Stewart AC → Wallace TP 334
Stöffler G → Lotti M 245
Stöffler-Meilicke M → Lotti M 245
Strabala TJ, Bednarek SY, Bertoni G, Amasino RM: Isolation and characterization of an *ipt* gene from the Ti plasmid Bo542 388
Straus NA → Laudenbach DE 455
Sugiura M → Meng BY 25
Sullivan KM, Saunders JR: Nucleotide sequence and genetic organization of the *Ngo*PII restriction-modification system of *Neisseria gonorrhoeae* 380
Svec P → Almond N 195
Szegedi E → Bonnard G 428

Takahashi H, Shimamoto K, Ehara Y: Cauliflower mosaic virus gene VI causes growth suppression, development of necrotic spots and expression of defence-related genes in transgenic tobacco plants 188
Takemaru T → Kanda T 526
Thompson R → Colot V 81
Timmons AM → McCabe PF 132
Tinland B → Bonnard G 428
Tominaga A → Hanafusa T 44
Tommassen J → Bosch D 144
Trick CG → Laudenbach DE 455
Trovato M → Capone I 239
Turner G → Smith DJ 492

Ullrich F → Schultz G 230
Unkles SE → Whitehead MP 408

Vaucheret H, Vincentz M, Kronenberger J, Caboche M, Rouzé P: Molecular cloning and characterisation of the two homeologous genes coding for nitrate reductase in tobacco 10
Verhagen C → Bosch D 144
Verma M, Moffat KG, Egan JB: UV irradiation inhibits initiation of DNA replication from *oriC* in *Escherichia coli* 446
Vincentz M → Vaucheret H 10

Wallace TP, Stewart AC, Pappin D, Howe CJ: Gene sequence for the 9 kDa component of Photosystem II from the cyanobacterium *Phormidium laminosum* indicates similarities between cyanobacterial and other leader sequences 334
Wang TV, Smith KC: The roles of RecBCD, Ssb and RecA proteins in the formation of heteroduplexes from linear-duplex DNA in vitro 315
Weil J-H → Kuntz M 156
Weisbeek P → Smeekens S 178
Welker DL, De Lozanne A, Spudich JA: Linkage analysis of the myosin heavy chain gene in *Dictyostelium discoideum* using a mutation generated by homologous recombination 498
Whitehead MP, Unkles SE, Ramsden M, Campbell EI, Gurr SJ, Spence D, Hondel C van den, Contreras R, Kinghorn JR: Transformation of a nitrate reductase deficient mutant of *Penicillium chrysogenum* with the corresponding *Aspergillus niger* and *A. nidulans nia* D genes 408
Wirth R, Friesenegger A, Fiedler S: Transformation of various species of gram-negative bacteria belonging to 11 different genera by electroporation 175
Wissenbach M → Marocco A 183

Yaghmai R → Hayashi MN 364
Yajnik V → Almond N 195
Yamane K → Nakamura K 1
Yasuda Y → Kanda T 526

Zamir A → Lers A 138
Zhou D-X, Quigley F, Massenet O, Mache R: Cotranscription of the S10- and *spc*-like operons in spinach chloroplasts and identification of three of their gene products 439

Indexed in *Current Contents*